## INTERNATIONAL SEARCH REPORT

International application No.

INTERNATIONAL SEARCH REFORT	PCT/JP2004/0	PCT/JP2004/004565	
A. CLASSIFICATION OF SUBJECT MATTER Int.Cl <sup>7</sup> F16C19/38, 33/46			
According to International Patent Classification (IPC) or to both national classification	ssification and IPC		
B. FIELDS SEARCHED	·		
Minimum documentation searched (classification system followed by classification system) Int.Cl <sup>7</sup> F16C19/00-19/56, 33/38-33/56	cation symbols)		
Kokai Jitsuyo Shinan Koho 1971-2004 Jits	yo Shinan Toroku Koho 1996-2	2004	
Electronic data base consulted during the international search (name of data	base and, where practicable, search terms used)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT	· · · · · · · · · · · · · · · · · · ·		
Category* Citation of document, with indication, where appro	briate, of the relevant passages	vant to claim No.	
A US 4895461 A (THE TORRINGTON C 23 January, 1990 (23.01.90),	0.), 000079 A1 -190609 A	1-6	
A Microfilm of the specification annexed to the request of Japa Model Application No. 195170/1 No. 98917/1989) (Koyo Seiko Co., Ltd.), 03 July, 1989 (03.07.89), (Family: none)	ese Utlilly	7-12	
X Further documents are listed in the continuation of Box C.	See patent family annex.		
* Special categories of cited documents:  "A" document defining the general state of the art which is not considered to be of particular relevance  "E" earlier application or patent but published on or after the international filing date  "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art  "&" document member of the same patent family		
Date of the actual completion of the international search 09 July, 2004 (09.07.04)	Date of mailing of the international search report 03 August, 2004 (03.08.04)		
Name and mailing address of the ISA/ Japanese Patent Office	Authorized officer		
Facsimile No. Form PCT/ISA/210 (second sheet) (January 2004)	Telephone No.		

## INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2004/004565

Cotogo*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Category*	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 93380/1978 (Laid-open No. 9974/1980) (NTN Toyo Bearing Co., Ltd.), 22 January, 1980 (22.01.80),	1-12
Α.	(Family: none)  JP 6-213230 A (NSK Ltd.),  02 August, 1994 (02.08.94),  (Family: none)	1-12
	,	·
<i>:</i>		

Form PCT/ISA/210 (continuation of second sheet) (January 2004)